	REISSUE A POWER OF	PPLICATION ATTORNEY	COMBINATION (DECLARATION &	ATTORNEY DO 100717- 522 / B Relesue	CKET No.: ayer 6708.5	
I/We her	eby declare	that:					_
My/our re	esidence, po	st office addr	ess and citizenshi	ip are as stated b	elow next to my	/ name	
original, and clain	ieve i am/we first and joint ned in paten:	are the original inventor (if post of the contract of the cont	nal, first and sole i lural names are lis 49,432, granted J ETEROCYCLIC C	inventor (if only or sted below) of the	ne name la liste	d below) o	
the spec	ification of w	hich		2,111 201120			
(0	check one)	☐ Is being	filed herewith, or	•			
			on_February 4.	2002_ as reissu	e application se	arial numb	er
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I acknow Code of I	ledge the du Federal Regu	ty to disclose plations §1.56	information which	is material to par	tentability as de	fined in Ti	tle 37,
I hereby of application application priority is	claim foreign n(s) for pate n for patent claimed:	priority bene nt or inventor or inventor's	fits under Title 35, r's certificate listed certificate having a	United States Co below and have a filing date before	ode, §119 of an also identified t a that of the app	y foreign below any plication or	forelgn n which
Prior F	oreign Appli	cation(s)			ļ	Priority Cla	aimed
SHO 6 (Numb	1-48629 er)		Japan ountry)	07 March 198 (Day/Month/N	36 r	_	J no
(Numb	er)	<u>(C</u>	ountry)	(Day/Month/Y	r. Filed)	□yes □	no 1
the prior L States Co of Federal national o	Inited States de, §112, I an Regulations PCT Interna	application in oknowledge to see the second in the second	le 35, United State lect matter of each noter proving the manner provine duty to disclose lection occurred betwate of this applicate.	vided by the first permanent	ns application is aragraph of Tit	s not disclo le 35, Unit	osed in ed
	ation Serial N		(Filing Date		(Status) nted, pending, aband	faned)	
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(Applica	ition Serial N	0.)	(Filing Date)		(Status) nted, pending, aband	oned)	

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I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (check all boxes that apply)
D by reason of a defective specification or drawing.
by reason of the patentee claiming more or less than he had the right to claim in the patent.
🗵 by reason of other errors as described below.
The present reissue application is filed to correct two errors: First, patent claim 9 is improperly dependent on patent claim 8. Patent claim 8 requires "a compound according to claim 1." Patent claim 1, in turn, limits such compound to those wherein "A represents an ethylene group which may be substituted by methyl." Patent claim 9 recites two tetrahydropyrimidine compounds and one tetrahydrothiazine compound, which would correspond to compounds of patent claim 1 wherein A represents a propylene group. Since patent claim 1 does not permit A to represent a propylene group, patent claim 9 is improperly dependent on patent claim 8.
Second, the USPTO has determined that patent claims contain multiple independent and distinct inventions, and has required restriction.
The present reissue application corrects these two errors as follows: The patent claims have been limited to pyrrolldine compounds by amending original patent claim 1 to cancel values of X other than CH-R3, and canceling original patent claims 2-6 and 9.
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, or any patent to which this declaration is directed.
POWER OF ATTORNEY: As a named inventor, I hereby appoint
Practioners Associated with the Customer Number: 27384
as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe

(212) 808-0700

FULL NAME OF SOLE OR FIRST INVENTOR	1111/1-1-1-0-1-1		T
KOZO SHIOKAWA	INVENTOR'S SIG	NATURE	DATE
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	-00	CITIZENSHIP	7
Kanagawa-ken, Japan		Japanese	
POST OFFICE ADDRESS		7	
Same as above			
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
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RESIDENCE		CITIZENSHIP	
Tokyo, Japan		Japanese	
POST OFFICE ADDRESS		1 oabailese	
Same as above			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	INVENTOR'S SIG	MATURE	T 5.4
SHINZO KAGABU	MAEMICHE	RIVATURE	DATE
RESIDENCE	-l	1 a	
Gifu-ken , Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
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FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
SHOKO SASAKI			
RESIDENCE		CITIZENSHIP	•
Tokyo, Japan		Japanese	•
POST OFFICE ADDRESS			
Same as above			

FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
KOICHI MORIYA			
RESIDENCE	***************************************	CITIZENSHIP	<u> </u>
Tokyo, Japan		Japanese	
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REISSUE APPLICATION COMBINATION DECLARATION & POWER OF ATTORNEY	ATTORNEY DOCKET No.: 100717-522 / Bayer 6708.5 Reissue

I/We hereby declare that:

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My/our residence, post	office address and citizensh	in are as stated below now	.
original, first and joint in and claimed in patent r	re the original, first and sole inventor (if plural names are list number 4.849.432, granted list nettled HETEROCYCLIC C	inventor (if only one name is sted below) of the subject ma	s listed below) or an
the specification of which	ch	WIII VONDS	
(check one)	is being filed herewith, or		
	was filed on <u>February 4.</u> 10/067,189 and	2002 as reissue applicati	on serial number
I hereby reviewed and u claims, as amended by	understand the contents of the any amendment referred to a	e above identified specificat	tion, including the
I acknowledge the duty Code of Federal Regula	to disclose information which	is material to patentability s	as defined in Title 37,
I hereby claim foreign pa application(s) for patent application for patent or priority is claimed:	rlority benefits under Title 35, or inventor's certificate listed Inventor's certificate having a	United States Code, §119 of the library of the libr	of any foreign fied below any foreign e application on which
Prior Foreign Applica	tion(s)		Priority Claimed
SHO 61-48629 (Number)	Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	_ ⊠yes □ no
(Number)	(Country)	(Day/Month/Yr. Filed)	. □yes □ no
the prior United States ap States Code, §112, Lack of Federal Regulations &	t under Title 35, United State as the subject matter of each oplication in the manner province the disclose of the policy of the disclose of this application at this application.	ided by the first paragraph of material information as def	ion is not disclosed in of Title 35. United
(Application Serial No.	(,g Duil)	(Status (patented, pending,	abandoned)
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A Abucadon Senai Mo.)	(Filing Date)	(Status) (patented, pending, abendoned)
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	☐ by reason of a defective specification or drawing.
	by reason of the patentee claiming more or less than he had the right to claim in the patent.
	মে by reason of other errors as described below.

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All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, or any patent to which this declaration is directed.

POWER OF ATTORNEY: As a named inventor, I hereby appoint

Practioners Associated with the Customer Number:	27384
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as my/our attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe (212) 808-0700

FULL NAME OF SOLE OR FIRST INVENTOR			
KOZO SHIOKAWA	INVENTOR'S SI	SNATURE	DATE
RESIDENCE			
Kanagawa-ken, Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
Same as above			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S CI	MATURE	T-2
SHINICHI TSUBOI	INVENTOR'S SIC		DATE
RESIDENCE	Thin-ithi	asuboi	May 08, 05
Tokyo, Japan		CITIZENSHIP	0
POST OFFICE ADDRESS		Japanese	
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FULL NAME OF THIRD JOINT INVENTOR, IF ANY	IND/ENTODIO OLO		
SHINZO KAGABU	INVENTOR'S SIG	INATURE	DATE
RESIDENCE		7 2 2	
Gifu-ken , Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
Same as above			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	1 (10 /21 /22 /23 /23		
SHOKO SASAKI	INVENTOR'S SIG	INATURE	DATE
RESIDENCE			
Tokyo, Japan		CITIZENSHIP	
POST OFFICE ADDRESS		Japanese	
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FULL NAME OF FIFTH JOINT INVENTOR, IF ANY KOICHI MORIYA	INVENTOR'S SIG	NATURE	DATE
	INVENTOR'S SIG	NATURE	DATE 1 2005
RESIDENCE Tokyo, Japan	Koroni mon	CITIZENSHIP	28 April 2005
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REISSUE APPLICATION COMBINATION DECLARATION &	ATTORNEY DOCKET No.:
POWER OF ATTORNEY	100717- 522 / Bayer 6708.5 Reissue

I/We hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my name,

I/We believe I am/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number <u>4.849,432</u>, granted <u>July 18, 1989</u> and for which a reissue patent is sought on the invention entitled <u>HETEROCYCLIC COMPOUNDS</u>

the specification of which

(check one) is being filed herewith, or

was filed on February 4, 2002 as reissue application serial number 10/067.189 and

I hereby reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority	Claimed
SHO 61-48629 (Number)	Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	Øyes	□ no
(Number)	(Country)	(Day/Month/Yr. Filed)	□yes	□ no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing data of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
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(Application Serial No.)	(Filing Date)	(Status) (patonted, pending, abandoned)

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by reason of a defective specified	cification or drawing.
	aiming more or less than he had the right to claim in
by reason of other errors as a second of the property	described below.
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The present reissue application corrects these limited to pyrrolidine compounds by amending CH-R ³ , and canceling original patent claims 2-6	two errors as follows: The patent claims have been original patent claim 1 to cancel values of X other than 3 and 9.
All errors corrected in this reissue application a applicant.	rose without any deceptive intention on the part of the
with the knowledge that willful false statements imprisonment, or both, under Section 1001 of T	n of my own knowledge are true and that all statements be true; and further that these statements were made and the like so made are punishable by fine or little 18 of the United States Code and that such willful the application or any patent issued thereon, or any
POWER OF ATTORNEY: As a named inventor	, I hereby appoint
Practioners Associated with the Customer Number:	27384
as my/our attorney(s) and/or agent(s) to prosect Patent and Trademark Office connected therew	ute this application and transact all business in the ith.
The undersigned hereby authorizes the U.S. a instructions from the Assignee of this application	attorney or agent named herein to accept and follow

DIRECT TELEPHONE CALLS TO: Kurt G. Briscoe

or agent and the undersigned.

(212) 808-0700

instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney

FULL NAME OF SOLE OR FIRST INVENTOR KOZO SHIOKAWA	INVENTOR'S SIGNATURE		DATE
RESIDENCE			
Kanagawa-ken, Japan	CITIZENSHIP Japanese		
POST OFFICE ADDRESS		i dapanese	
Same as above			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INVENTOR'S SIG	SMATURE	T DATE
SHINICHI TSUBOI	INVENTORSSIC	INATURE	DATE
RESIDENCE	······································	CITIZENSHIP	
Tokyo, Japan POST OFFICE ADDRESS		Japanese	
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FULL NAME OF THIRD TO SEE TO SEE			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY SHINZO KAGABU	INVENTOR'S SI		DATE
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FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	CATE:
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Tokyo, Japan POST OFFICE ADDRESS	····	Japanese	
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FULL NAME OF FIFTH JOINT INVENTOR, IF ANY KOICHI MORIYA	INVENTOR'S SIG	NATURE	DATE
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Tokyo, Japan		CITIZENSHIP	
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FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTORIO DIO		
YUMI HATORI	INVENTOR'S SIG	INATURE	DATE
RESIDENCE		CITIZENSHIP	
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FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	NATURE	DATE
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REISSUE APPLICATION COMBINATION DECLARATION & ATTORNEY DOCKET No.: 100717- 522 / Bayer 6708.5 Reissue

I/We hereby declare that:

My/our residence, post office address and citizenship are as stated below next to my name,

I/We believe I am/we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 4,849,432, granted July 18, 1989 and for which a reissue patent is sought on the invention entitled HETEROCYCLIC COMPOUNDS

the specification of which

(check one) is being filed herewith, or

was filed on <u>February 4, 2002</u> as reissue application serial number 10/067,189 and

I hereby reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose Information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(9)			Priority	Claimed
SHO 61-48629 (Number)	Japan (Country)	07 March 1986 (Day/Month/Yr. Filed)	⊠yes	□ no
(Number)	(Country)	(Day/Month/Yr. Filed)	□yes	□ no

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing data of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

	•
I verily believe the original patent to be wholly obelow. (check all boxes that apply)	or partly inoperative or invalid, for the reasons described
by reason of a defective spec	offication or drawing.
by reason of the patentee cla the patent.	lming more or less than he had the right to claim in
🖾 by reason of other errors as o	described below.
1, in turn, limits such compound to those where substituted by methyl." Patent claim 9 recites to tetrahydrothlazine compound, which would contain the contain the contain the contain the contains the	respond to compounds of patent claim 1 wherein A
Second, the USPTO has determined that pater inventions, and has required restriction.	nt claims contain multiple independent and distinct
The present reissue application corrects these limited to pyrrolidine compounds by amending CH-R³, and canceling original patent claims 2-6	two errors as follows: The patent claims have been original patent claim 1 to cancel values of X other than 3 and 9.
All errors corrected in this reissue application a applicant.	rose without any deceptive intention on the part of the
with the knowledge that willful false statements imprisonment, or both, under Section 1001 of T	n of my own knowledge are true and that all statements be true; and further that these statements were made and the like so made are punishable by fine or itle 18 of the United States Code and that such willful the application or any patent issued thereon, or any
POWER OF ATTORNEY: As a named inventor	r, I hereby appoint
Practioners Associated with the Customer Number:	27384
as my/our attorney(s) and/or agent(s) to prosec Patent and Trademark Office connected therew	ute this application and transact all business in the rith.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from the Assignee of this application as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned.

DIRECT TELEPHONE CALLS TO:

Kurt G. Briscoe

(212) 808-0700

FULL NAME OF SOLE OR FIRST INVENTOR KOZO SHIOKAWA	INVENTOR'S SIGNATURE		DATE	
RESIDENCE		CITIZENSHIP	<u> </u>	
Kanagawa-ken, Japan		Japanese		
POST OFFICE ADDRESS				
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FULL NAME OF SECOND JOINT INVENTOR, IF ANY	INTERTODIC CIC	MATERIA		
SHINICHI TSUBOI	INVENTOR'S SIG	NATURE	DATE	
RESIDENCE		CITIZENSHIP	<u> </u>	
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FULL NAME OF THIRD JOINT INVENTOR, IF ANY	TIME STATE OF THE			
SHINZO KAGABU	INVENTOR'S SIG	INATURE	DATE	
RESIDENCE		CITIZENSHIP		
Gifu-ken , Japan		Japanese		
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FULL NAME OF FOURTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	MATURE	DATE	
SHOKO SASAKI		Sarahi	DATE May 2.2005	
RESIDENCE		CITIZENSHIP	1May 2.2003	
Tokyo, Japan		Japanese		
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FULL NAME OF FIFTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	MATURE	TEASA	
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FULL NAME OF SIXTH JOINT INVENTOR, IF ANY	INVENTOR'S SIG	MATURE	DATE	
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